

**IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE**

**PATENT APPLICATION**

**INVENTOR(S)** David Allen Brown  
Amit M. Shah

**CASE** 8-1

**TITLE** Internal Memory Controller Providing Configurable  
Access of Processor Clients to Memory Instances

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I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated below and is addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date of Deposit: October 31, 2003

Signature: *D. Brown*



**COMMISSIONER FOR PATENTS**  
**P.O. BOX 1450**  
**ALEXANDRIA, VA 22313-1450**

**SIR:**

**NEW APPLICATION UNDER 37 CFR §1.53(b)**

Enclosed are the following papers relating to the above-named application for patent:

Specification, Claims and Abstract - 21 pages  
6 Sheets of informal drawing(s)  
1 Assignment with Cover Sheet  
Declaration and Power of Attorney

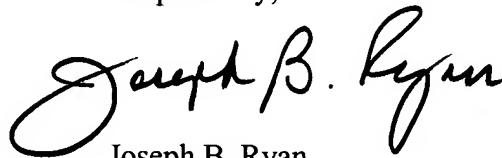
| CLAIMS AS FILED                            |           |           |          |              |
|--|-----------|-----------|----------|--------------|
|  | NO. FILED | NO. EXTRA | RATE     | CALCULATIONS |
| Total Claims                               | 20-20 =   | 0         | x \$18 = | \$0          |
| Independent Claims                         | 3-3 =     | 0         | x \$86 = | \$0          |
| Multiple Dependent Claim(s), if applicable |           |           | \$290 =  | \$0          |
| Basic Fee                                  |           |           |          | \$770        |
| TOTAL FEE:                                 |           |           |          | \$770        |

Please file the application and charge **Ryan, Mason & Lewis, LLP Deposit Account No. 50-0762** the amount of \$810 (which includes \$770 to cover the filing fee and \$40 to cover the Assignment recordation fee). Duplicate copies of this letter are enclosed. In the event of non-payment or improper payment of a required fee, the Commissioner is authorized to charge or to credit **Deposit Account No. 50-0762** as required to correct the error.

The Assistant Commissioner for Patents is hereby authorized to treat any concurrent or future reply, requiring a petition for extension of time under 37 CFR §1.136 for its timely submission, as incorporating a petition for extension of time for the appropriate length of time if not submitted with the reply.

Please address all correspondence to: **Ryan, Mason & Lewis, LLP, 90 Forest Avenue, Locust Valley, New York 11560.** Telephone calls should be made to the undersigned attorney at (516) 759-7517.

Respectfully,

A handwritten signature in black ink, reading "Joseph B. Ryan". The signature is written in a cursive style with a large, looping initial "J".

Date: October 31, 2003

Joseph B. Ryan  
Reg. No. 37,922  
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